

FIG. 1

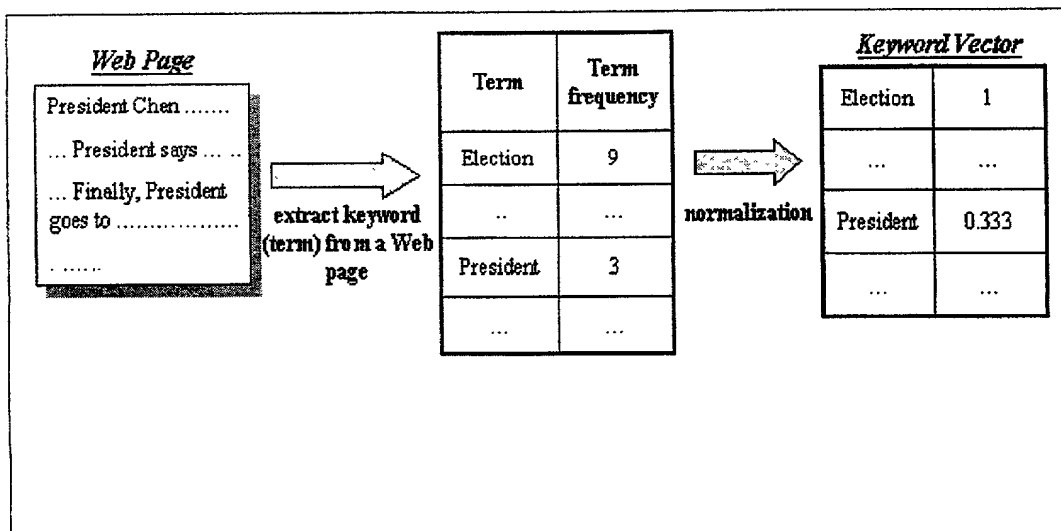


FIG. 2

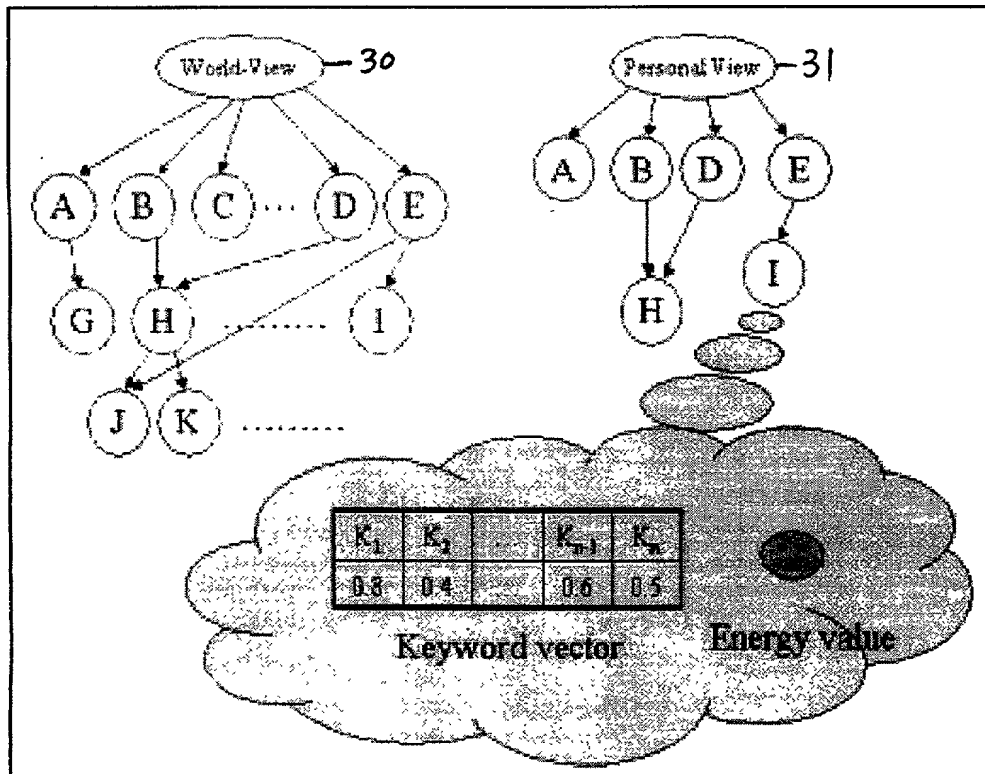


FIG. 3

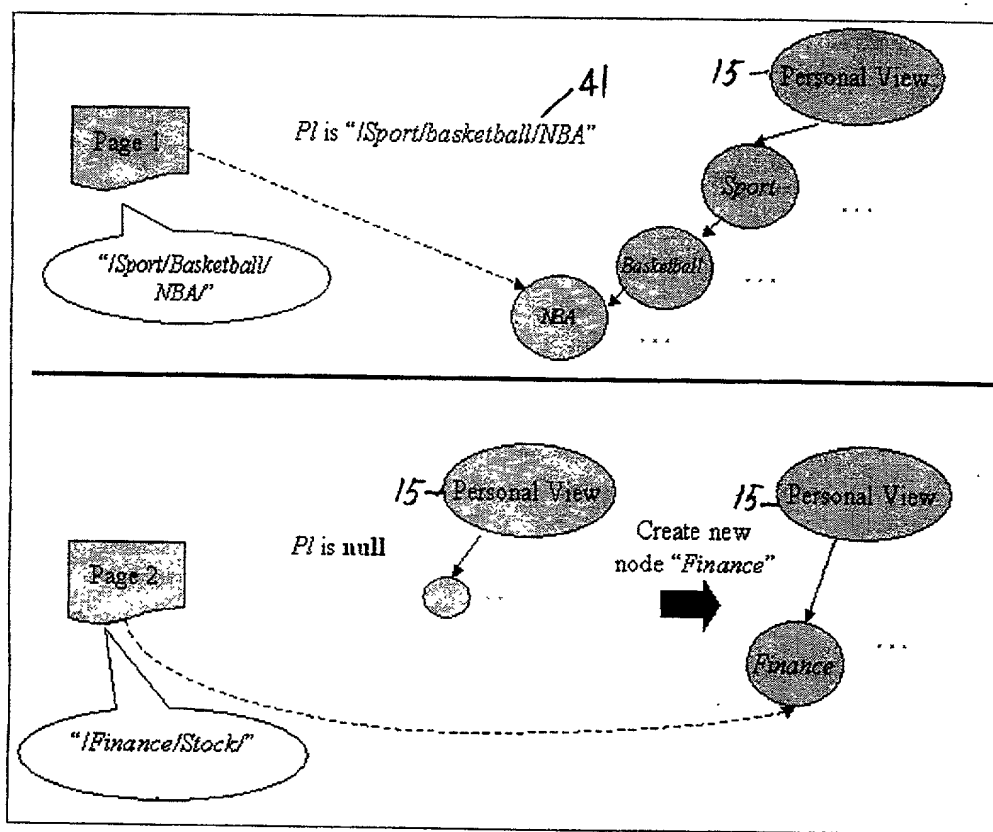


FIG. 4

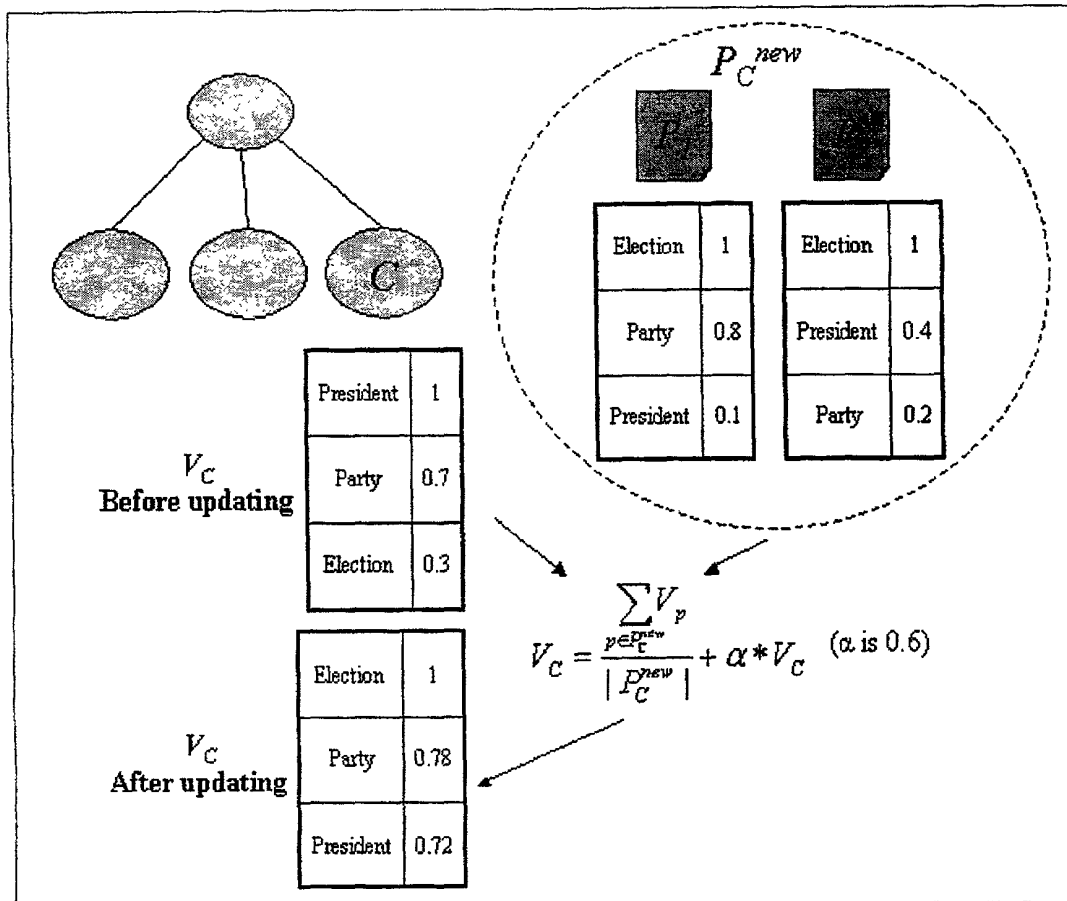


FIG. 5

61

```

For each category  $c$  in the Personal View
  While ( $E_c > threshold$ )
     $c_{child} = ARGMAX_{c_{child} \text{ in } c} \{SplitGain(c, c_{child})\}$ 
    Create the category  $c_{child}$  in the Personal View;
    Update the energy value of  $c$ ;
    Calculate the energy value of  $c_{child}$ ;
    Calculate the keyword vector of  $c_{child}$ ;
    Update the keyword vector of  $c$ ;
  End While;
End For;

```

FIG. 6A

62

```

For each category  $c$  in the personal view
   $E_c = E_c - \beta$ 
  If  $E_c \leq th$  then
    Update the keyword vector of  $c$ 's parent;
    Remove category  $c$  from the personal view;
  End If;
End For;

```

FIG. 6B